

# Check List of Vascular Plants of The Great Smoky Mountains

HAROLD L. HOFFMAN

The following list, based entirely on collections almost all of which are on file in the Great Smoky Mountains National Park herbarium and the Tennessee State herbarium at the University of Tennessee; follows generally the order of Gray's Manual of Botany, eighth edition (1950). The list includes some 70 species of southeastern plants not included in the manuals for the plants of northeastern states and adjoining provinces but are described in other manuals and papers.

The entire list was submitted to Dr. A. J. Sharp and Dr. Royal E. Shanks of the Botany Department of the University of Tennessee and Mr. Floyd A. Swink, naturalist of the Morton Arboretum, Lisle, Illinois for general review. Other members of the University Staff made special reviews as follows:

Mr. J. K. Underwood—Gramineae, Cyperaceae and Juncaceae

Mr. James Pringle—Lycopodium, Dryopteris, Thelypteris, Gentiana, Gaura

Papers of former graduate students and staff members were used for guidance as follows:

Saxifraga—Miss Lois Lord

Heuchera—Mr. J. P. Gillespie

A recapitulation of families, genera and subgeneric entities (species, variants, forms and named hybrids) present in the Great Smoky Mountains National Park and those reported in Gray's Manual follows:

	Great Smoky Mountains National Park	Gray's Manual
Families	126	168
Genera	531	1,133
Species, variants and forms, approximately	1,450	8,340

Explanation of numerals following certain species:

LIBRARY  
GREAT SMOKY MOUNTAINS  
NATIONAL PARK

- (1) Naturalized, generally persisting, but not native
  - (2) Collected in the Great Smokies outside of the Park, mostly within one mile of the boundary line
  - (3) Genera or species under review, or to be reviewed, for possible change in designation
- Synonyms, some of which were used by authors recently, follow certain of the taxa

## PTERIDOPHYTA

Family  
number

1. EQUISETACEAE (Horsetail Family)  
*Equisetum arvense* L.
2. LYCOPODIACEAE (Club moss Family)  
*Lycopodium clavatum* L.  
*L. complanatum* L. var. *flabelliforme* Fern.  
*L. lucidulum* Michx.  
*L. obscurum* L.; var. *dendroideum* (Michx.) DC.  
*L. porophyllum* Lloyd & Underw.  
*L. selago* L. var. *appressum* Desv.  
*L. tristachyum* Pursh
3. SELAGINELLACEAE (Spikemoss Family)  
*Selaginella apoda* (L.) Fern.
4. ISOËTACEAE (Quillwort Family)  
*Isoetes engelmanni* A. Br.; var. *caroliniana* A. A-Eat.
5. OPHIOGLOSSACEAE (Adder's-tongue Family—Grape fern, Adder's-tongue)  
*Botrychium dissectum* Spreng.; forma *obliquum* (Muhl.)  
Fern.; var. *tenuifolium* (Underw.) Farw.  
*B. virginianum* (L.) Sw.  
*B. matricariaefolium* A. Br.  
*Ophioglossum vulgatum* L. var. *pycnostichum* Fern.
6. OSMUNDACEAE (Flowering Fern Family)  
*Osmunda cinnamomea* L.  
*O. claytoniana* L.  
*O. regalis* L. var. *spectabilis* (Willd.) Gray
7. SCHIZAEACEAE (Curly-grass Family)  
*Lygodium palmatum* (Bernh.) Sw.
8. HYMENOPHYLLACEAE (Filmy Fern Family)  
*Trichomanes petersii* A. Gray
9. POLYPODIACEAE (Fern Family—Bladder, Shield, Sensitive, Hay Scented, etc. Ferns)  
*Woodsia obtusa* (Spreng.) Torr.

- Cystopteris bulbifera* (L.) Bernh.  
*C. fragilis* (L.) Bernh. var. *protrusa* Weath.  
*C. diaphana* × *protrusa*  
*Onoclea sensibilis* L.  
*Dryopteris goldiana* (Hook.) A. Gray  
*D. marginalis* Gray; forma *elegans* (J. Robins.) F. W. Gray  
*D. spinulosa* (O. F. Muell.) Watt; var. *americana* (Fisch.)  
     Fern. (*D. campyloptera* (Kunze) Clarkson); var.  
     *fructuosa* (Gilbert) Trudell; var. *intermedia*  
     (Muhl.) Gray (*D. intermedia* (Muhl.) Gray).  
*Thelypteris hexagonoptera* (Michx.) Weatherby (*Dryopteris*  
     Christens.)  
*T. noveboracensis* (L.) Gray (*Dryopteris* Gray)  
*T. phegopteris* (L.) Slosson (*Dryopteris* Christens.)  
*Polystichum acrostichoides* (Michx.) Schott  
*Dennstaedtia punctilobula* (Michx.) Moore  
*Athyrium filix-femina* (L.) Roth var. *aspleniodies* forma  
     *sub-tripinnatum* (Butters) Fern.; var. *michauxii*  
     (Spreng.) Fern. (*A. angustum* (Willd.) Presl.)  
*A. pycnocarpon* (Spreng.) Tidestr.  
*A. thelypteroides* (Michx.) Desv.  
*Camptosorus rhizophyllus* (L.) Link  
*Asplenium montanum* Willd.  
*A. platyneuron* (L.) Oakes  
*A. resiliens* Kunze  
*A. trichomanes* L.  
*Woodwardia areolata* (L.) Moore  
*Pellaea atropurpurea* (L.) Link  
*Cheilanthes lanosa* (Michx.) DC.  
*C. vestita* (Spreng.) Sw.  
*Adiantum pedatum* L.  
*Pteridium aquilinum* (L.) Kuhn. var. *latiusculum* (Desv.)  
     Underw.  
*Polypodium polypodioides* (L.) Watt; forma *incisum* (Gray)  
     Gilbert (2)  
*P. virginianum* L.

#### SPERMATOPHYTA (GYMNOSPERMAE)

13. PINACEAE (Pine Family—Fir, Hemlock, Pine, Arbor Vitae, and  
     Juniper)  
*Abies fraseri* (Pursh) Poir.  
*Tsuga canadensis* (L.) Carr. (*Tsuga caroliniana* Engelm. not  
     collected in Smokies)

*Picea rubens* Sarg.  
*P. abies* (L.) Karst (1)  
*P. pungens* Engelm.  
*Pinus echinata* Mill.  
*P. pungens* Lamb.  
*P. rigida* Mill.  
*P. strobus* L.  
*P. virginiana* Mill.  
*Thuja occidentalis* L. (1) escape  
*T. orientales* L. (1) escape  
*Juniperus virginiana* L.

SPERMATOPHYTA (ANGIOSPERMAE) MONOCOTYLEDONS

14. TYPHACEAE (Cat-tail Family)  
*Typha latifolia* L.
15. SPARGANIACEAE (Bur-reed Family)  
*Sparganium americanum* Nutt.  
*S. androcladum* (Engelm.) Morong
19. ALISMATACEAE (Water Plantain Family—Mud-plantain, Arrow-head)  
*Alisma subcordatum* Raf.  
*Sagittaria latifolia* Willd. var. *pubescens* (Muhl.) J.G. Sm.
22. GRAMINEAE (Grass Family)  
*Arundinaria gigantea* (Walt.) Chapm. (includes *A. tecta* (Walt.) Muhl.)  
*A. japonica* Sieb. & Zucc.) (1); (*Pseudosasa* Makino)  
*Bromus ciliatus* L.  
*B. commutatus* Schrad. (1)  
*B. japonicus* Thunb. (1)  
*B. purgans* L.; forma *laevivaginata* Wieg.  
*B. racemosus* L. (1)  
*B. secalinus* L. (1) (2)  
*Festuca arundinacea* Schreb. (1)  
*F. dertonensis* (All.) Asch. & Graebn.  
*F. elatior* L. (1)  
*F. obtusa* Biehl.  
*F. octoflora* Walt.  
*Glyceria melicaria* (Michx.) F. T. Hubbard  
*G. nubigena* W. A. Anders.  
*G. striata* (Lam.) Hitchc.  
*Poa alsodes* Gray  
*P. annua* L. (1)  
*P. chapmaniana* Scribn.

Supplement to Check List, Vascular Plants,  
Great Smoky Mountains\*

HAROLD L. HOFFMAN

This list gives effect to collections made since original publication, and also to certain corrections in that list.

Entities added or deleted appear in *italic*. Page and family numbers of the original check list are shown to facilitate the entering of the corrections on this list.

<i>Page</i>	<i>Family Number</i>	
3	9	Insert ( <i>L.</i> ) after <i>D. marginalis</i> After <i>D. spinulosa</i> var. <i>intermedia</i> , substitute <i>Underw.</i> for Gray After <i>T. noveboracensis</i> , substitute <i>Niewl.</i> for Gray

\**Castanea*, Volume 29, March, 1964.

- 4 13 Add (1) end of line 3
- 4 22 Delete *semicolon* following *A. japonica* Sieb. & Zucc. (1)  
Delete *bracket* after Zucc.  
Add after *F. octoflora* Walt. (*Vulpia* Gmel.)
- 5 22 Add after *Sporobolus poiretii* (R.&S.) Hitchc. (1)  
Add after *A. perennans* (Walt.) Tuckerm. ; *var. aestivales*  
*Vasey forma atherophora* Fern.
- 6 22 Add *M. sobolifera* (Muhl.) Trin. *var. setigera* Scribn.  
Add (1) after *Cynodon dactylon*  
Add *var. thinnium* Hitchc. & Chase after *P. columbianum*  
Scribn. Variant only present
- 7 22 Add *E. giganteus* (Walt.) Muhl. (*Erianthus*)
- 8 23 Add (*R. smallii* Britt.) after *Rhynchospora capitellata*  
Delete from next line *R. smallii* Britt.  
Add after *C. albursina* Sheld. (*C. laxiflora* Lam. *var. latifolia* Boott)  
Add *C. amphibola* Steud. *var. turgida* Fern.  
Add *C. cephalophora* Muhl.  
Add *var. brevicrinis* Fern. after *C. crinita* Lam.  
Add *C. emmonsii* Dew.  
Add *C. incompta* Bickn.  
Add *C. louisiana* Bailey
- 9 23 Add *C. straminea* Willd.  
Add *C. styloflexa* Buckley
- 9 31 Add *J. dichotomus* Ell.
- 10 Add *J. interior* Wieg.  
add ; *var. anthelatus* Wieg. after *J. tenuis* Willd.  
Delete *Tydb.* and add *Rydb.* after *L. bulbosa* (Wood)
- 32 Add (*Melanthium* L.) after *V. hybridum* (Walt.)  
Add (*Melanthium* L.) after *V. parviflorum* Michx.  
Add (*U. carolina* Gmel. *comb. nov.*) after *U. sessilifolia* L.  
Add (1) after *A. vineale* L.  
Add (1) after *L. tigrinum* L.  
Add (*E. americanum* Ker) after *Erythronium umbilicatum*
- 11 T. *cernuum* L., correct spelling of variant to *macranthum*
- 14 54 Change *R. patientia* L. (1) to *R. crispus* L.
- 15 Del. (1) after *P. pensylvanicum* L.  
61 Add (1) after *S. media* (L.) Cyrillo
- 16 64 Add *var. acutidens* Fern.; *ssp. muticum* DC. to *Aconitum uncinatum* L.
- 17 65 Correct spelling of Blue Cobosh to Blue Cohosh



- 71 Add *var. rotundifolia* (Greene) Fedde to *Sanguinaria canadensis* L. (variant only present)
- 18 73 Add (1) after *D. verna* L.
- 19 79 Add ; after *P. inodorus* L.
- 20 82 Add (*Michx.*) after *Waldsteinia fragarioides*
- 21 83 Correct spelling of *Schrankia microphylla* (Dryander) to Macbr.
- 21 Add (1) after *M. alba* Desr.
- 22 Add *S. riparia* Kearney
- Add *Coronaria varia* L.
- 23 92 Add *E. supina* Raf.
- 24 105 Add (*I. biflora* Walt.) after *Impatiens capensis* Meerb.
- 25 110 Correct spelling of *Stewartia ovata* (Car.) to Cav.
- 26 115 Add ; *var. leiocarpa* (Fern. & Wieg.) Wieg. after *V. pennsylvanica*. Michx.
- 122 Add *N. aquatica* L. (3) No flowers or fruit available
- 125 Delete ; after *L. palustris* L. and (1) after Fern. & Grisc.
- Variant only
- 27 129 Add *O. longistylis* (Torr.) DC.
- Add *Eryngium yuccifolium* Michx. (2)
- 28 133 Add *V. angustifolium* Ait.
- 29 Add (3) after *V. stamineum* L. x *pallidum*
- 135 Add *L. nummularia* L. (1)
- 30 146 Add (1) after *I. hederacea* L.
- 31 149 Add *Anchusa azurea* Mill. (1) (2)
- 31 150 Add *V. brasiliensis* Vell (1)
- 151 Add ; also a *glabrous form* after *Stachys clingmanii* Small
- 32 152 Add *S. nigrum* L. (1)
- 33 154 Add (*might be native*) after *Catalpa speciosa* Warder (1)
- 34 161 Change *Houstonia caerulea* L. to *Hedyotis caerulea* (L.) Hook. *Hedyotis* is now the genus designation replacing *Houstonia*
- Add (L.) T.&G.; *var tenuifolia* (Nutt.) Fosberg to *H. purpurea*
- Change *H. serpyllifolia* to *H. serpyllifolia* (Michx.) Fosberg; *forma alba* (Alex.) Fosberg
- Delete *H. tenuifolia* Nutt.
- 37 168 Add *A. simplex* Willd. (Aster)
- Delete ; *var. loriformis* Burgess after *A. sylvestris* Burgess
- Add ; *var loriformis* Burgess after *A. undulatus* L.
- Add & Sherff after *Xanthium chinense* Mill.

Add ; *var. sericea* (T. V. Moore) Fern. & Schub. (3) after  
*R. serotina* Nutt.

Add *H. glaucophyllis* sp. nov. (3)

Add *H. hirsutus* Raf. (2)

#### ADD TO INDEX OF FAMILIES AND GENERA

<i>Page</i>		<i>Family</i>
39	<i>Anchusa</i>	149
41	<i>Eryngium</i>	129
42	<i>Lithospermum</i>	149
42	<i>Hedyotis</i> (to replace <i>Houstonia</i> )	161

#### PARENTHETICAL SYMBOLS

(1) Naturalized, generally persisting, but not native.

(2) Collected in the Smokies outside of the Park, mostly within one mile of the boundary line.

(3) Genera or species under review or to be reviewed for possible change in designation.

GATLINBURG, TENNESSEE



- P. compressa* L. (1)
- P. cuspidata* Nutt.
- P. pratensis* L. (1)
- P. saltuensis* Fern. & Wieg.
- P. sylvestris* A. Gray
- Dactylis glomerata* L. (1)
- Eragrostis hypnoides* (Lam.) BSP.
- E. spectabilis* (Pursh) Steub.
- Triodia flava* (L.) Smyth
- Uniola latifolia* Michx.
- U. laxa* (L.) BSP.
- U. sessiliflora* Poir.
- Agropyron repens* (L.) Beauv.
- Lolium multiflorum* Lam. (1)
- L. perenne* L.
- Triticum aestivum* L. (1)
- Hordeum pusillum* Nutt.
- Elymus canadensis* L.
- E. interruptus* Buckl.
- E. virginicus* L.; var. *glabriflorus* (Vasey) Bush; forma *hirsutiglumis* (Scribn.) Fern.
- Hystrix patula* Moench
- Arrhenatherum elatius* (L.) Presl. (1)
- Holcus lanatus* L. (1)
- Sphenopholis nitida* (Biehler) Scribn.
- Trisetum pensylvanicum* (L.) Beauv.
- Avena sativa* (L.) (1)
- Danthonia compressa* Austin
- D. sericea* Nutt.
- D. spicata* (L.) Beauv.
- Sporobolus poiretii* (R. & S.) Hitchc.
- Calamagrostis cainii* Hitchc.
- C. cinnoides* (Muhl.) Bart.
- Agrostis alba* L. (1)
- A. borealis* Hartm. var. *americana* (Scribn.) Fern.
- A. elliotiana* Schult.
- A. hyemalis* (Walt.) BSP.
- A. perennans* (Walt.) Tuckerm.
- A. scabra* Willd.
- Aristida* sp. (Genus reported present, not collected)
- Cinna arundinacea* L.
- C. latifolia* (Trev.) Griesb.

- Muhlenbergia schreberi* J. F. Gmel. (1)  
*M. sylvatica* Torr.  
*M. tenuiflora* (Willd.) BSP.  
*Brachyelytrum erectum* (Schreb.) Beauv.  
*Phleum pratense* L. (1)  
*Cynodon dactylon* (L.) Pers.  
*Eleusine indica* (L.) Gaertn. (1)  
*Anthoxanthum odoratum* L. (1)  
*Leersia hexandra* Swartz  
*L. virginica* Willd.  
*L. oryzoides* (L.) Swartz  
*Digitaria sanguinalis* (L.) Scop. (1)  
*D. violescens* Link (1)  
*D. ischaemum* (Schreb.) Muhl.  
*Paspalum ciliatifolium* Michx. var. *muhlenbergii* (Nash)  
     Fern.  
*P. laeve* Michx.; var. *pilosum* Scribn.; var. *circulare* (Nash)  
     Fern.  
*P. urvillei* Steud. (1)  
*P. dilatatum* Poir. (1)  
*P. pubiflorum* Rupr. var. *glabrum* Vasey  
*Panicum agrostoides* Spreng.  
*P. anceps* Michx.  
*P. boscii* Poir.  
*P. clandestinum* L.  
*P. columbianum* Scribn.  
*P. commutatum* Schultes; var. *ashei* (Pearson) Fern.  
*P. depauperatum* Muhl.  
*P. dichotomiflorum* Michx.  
*P. dichotomum* L.  
*P. lanuginosum* Ell. var. *fasciculatum* (Torr.) Fern.; var.  
     *implicatum* (Scribn.) Fern; var. *lindheimeri* (Nash)  
     Fern.  
*P. latifolium* L.  
*P. laxiflorum* Lam. incl. *P. xalapense* HBK.  
*P. longifolium* Torr.  
*P. meridionale* Ashe  
*P. microcarpon* Muhl.  
*P. philadelphicum* Bernh.  
*P. polyanthes* Schultes  
*P. scoparium* Lam.  
*P. sphaerocarpon* Ell.

- P. stipitatum Nash
- P. tuckermani Fern.
- P. verrucosum Muhl.
- P. villosissimum Nash
- P. virgatum L. var. cubense Griseb. (2)
- P. yadkinense Ashe
- Echinochloa crusgalli (L.) Beauv. (1)
- Setaria geniculata (Lam.) Beauv. (1)
- S. glauca (L.) Beauv. (*S. lutescens* (Wieg.) Hubb.) (1)
- S. viridis (L.) Beauv. (1)
- Miscanthus sinensis Anderss. (1); var. gracillimus Hitchc. (1)
- Erianthus alopecuroides (L.) Ell.
- Eulalia viminea (Trin.) Ktze. (*Microstegium vimineum* (Trin.) A. Camus)
- Andropogon gerardi Vitman (*A. furcatus* Muhl.)
- A. scoparius Michx.
- A. ternarius Michx.
- A. virginicus L.; var. abbreviatus (Hack) Fern. & Grisc.; var. hirsutior (Hack.) Hitchc.
- Sorghum halepense (L.) Pers. (1)
- Sorghastrum elliottii (Mohr.) Nash
- S. nutans (L.) Nash

### 23. CYPERACEAE (Sedge Family)

- Cyperus dipsaciformis Fern.
- C. flavescens L. var. poaeformis (Pursh) Fern.
- C. globulosus Aubl.
- C. ovularis (Michx.) Torr.
- C. polystachyos Rottb. var. texensis (Torr.) Fern.
- C. praelongatus Steud.
- C. retrorsus Chapm.
- C. rivularis Kunth.
- C. strigosus L.
- C. tenuifolius (Steud.) Dandy (*Kyllinga pumila* Michx.)
- Dulichium arundinaceum (L.) Britt.
- Eleocharis obtusa (Willd.) Schultes
- Bulbostylis capillaris (L.) C. B. Clarke
- Fimbristylis autumnalis (L.) R. & S.
- Scirpus atrovirens Willd.
- S. cespitosus L. var. callosus Bigel.
- S. cyperinus (L.) Kunth.
- S. lineatus Michx.
- S. polyphyllus Vahl

- S. rubricosus* Fern. (*S. eriophorum* Michx.)  
*Rhynchospora capitellata* (Michx.) Vahl; forma controversa  
     (*S. F. Blake*) Gale  
*R. smallii* Britt.  
*Scleria pauciflora* Muhl.  
*S. triglomerata* Michx.  
*Cymophyllus fraseri* (Andr.) Mackenz.  
*Carex aestivalis* M. A. Curtis  
*C. albursina* Sheld.  
*C. artitecta* Mack  
*C. austro-caroliniana* Bailey  
*C. baileyi* Britt.  
*C. blanda* Dew. (2)  
*C. bromoides* Schkuhr  
*C. brunnescens* (Pers.) Poir.; var. *sphaerostachya*. (Tuck-  
     erm.) Kukenth.  
*C. cherokeensis* Schwein.  
*C. communis* L. H. Bailey  
*C. convoluta* Mackenz.  
*C. crinita* Lam.; var. *gynandra* (Schwein.) Schwein. & Torr.  
*C. debilis* Michx.; var. *rudgei* Bailey; var. *pubera* Gray; var.  
     *interjecta* Bailey  
*C. digitalis* Willd.; var. *macropoda* Fern.  
*C. eburnea* Boott  
*C. festucacea* Schkuhr  
*C. frankii* Kunth  
*C. grayii* Carey var. *hispidula* Gray  
*C. hirsutella* Mackenz.  
*C. intumescens* Rudge; var. *fernaldii* Bailey  
*C. laevivaginata* (Kukenth.) Mackenz.  
*C. laxiflora* Lam.; var. *gracillima* Boott; var. *purpurifera*  
     (Mackenz.) Gleas.  
*C. leptalea* Wahlenb. (*C. purpurifera* Mackenz.)  
*C. leptonervia* Fern. (*C. laxiflora* var. Fern.)  
*C. lupulina* Muhl.  
*C. lurida* Wahlenb.  
*C. misera* Buckl.  
*C. nigromarginata* Schwein.  
*C. normalis* Mackenz.  
*C. pensylvanica* Lam.; var. *distans* Peck  
*C. plantaginea* Lam.

- C. prasina* Wahlenb.
- C. projecta* Mackenz.
- C. radiata* (Wahlenb.) Dewey
- C. rosea* Schkuhr
- C. ruthii* Mackenz.
- C. scabrata* Schwein.
- C. scoparia* Schkuhr
- C. squarrosa* L.
- C. stipata* Muhl.
- C. striatula* Michx.
- C. swanii* (Fern.) Mackenz.
- C. texensis* (Torr.) L. H. Bailey
- C. torta* Boott
- C. tribuloides* Wahlenb.
- C. virescens* Muhl.
- C. vulpinoidea* Michx.

24. ARACEAE (Arum Family—Jack-in-the-pulpit, Arrow Arum, Flag-root)

- Arisaema dracontium* (L.) Schott.
- A. quinatum* (Nutt.) Schott. (3)
- A. triphyllum* (L.) Torr.; forma *pusillum* (Peck) Fern. (3)
- A. atorubens* (Ait.) Blume
- Peltandra virginica* (L.) Schott. & Endl.
- Acorus calamus* L.

29. COMMELINACEAE (3) (Spiderwort Family—Dayflower, Spiderwort)

- Commelina communis* L. (1); var. *ludens* (Miquel) C. B. Clarke
- C. diffusa* Burm.f.
- C. virginica* L.
- Tradescantia ohiensis* Raf.
- T. subaspera* Ker.; var. *montana* (Shuttlew.) Anders. & Woodson

31. JUNCACEAE (Rush Family—Bog-Rush, Woodrush)

- Juncus acuminatus* Michx.
- J. biflorus* Ell. (*J. aristulatus* of Gray's Ed. 7, not Michx.)
- J. canadensis* J. Gay
- J. coriaceus* Mackenz.
- J. debilis* Gray
- J. dudleyi* Wieg.
- J. effusus* L.; var. *solutus* Fern. & Wieg.; var. *compactus* Lej. & Court.

*J. gymnocarpus* Coville  
*J. marginatus* Rostk.  
*J. polycephalus* Michx.  
*J. scirpoides* Lam. (2)  
*J. tenuis* Willd.  
*Luzula acuminata* Raf.; var. *carolinae* (S. Wats.) Kuntze  
*L. bulbosa* (Wood) Tydb.  
*L. echinata* (Small) F. J. Herm.

32. LILIACEAE (Lily Family)

*Chamaelirium luteum* (L.) Gray  
*Amianthium muscaetoxicum* (Walt.) Gray  
*Stenanthium gramineum* (Ker.) Morong; var. *robustum* S. Wats.  
*Veratrum viride* Ait.  
*V. hybridum* (Walt.) J. H. Zimmerman  
*V. parviflorum* Michx.  
*Uvularia grandiflora* Sm.  
*U. perfoliata* L.  
*U. pudica* (Walt.) Fern. (*Oakesia puberula* Wats.); var. *nitida* (Britt.) Fern.  
*U. sessilifolia* L. (*Oakesia* s. Wats.)  
*Allium canadense* L.  
*A. tricoccum* Ait. (*Validallium* Small)  
*A. vineale* L.  
*Hemerocallis fulva* L. (1)  
*Lilium canadense* L. var. *editorum* Fern.  
*L. grayi* Wats.  
*L. michauxii* Poir.  
*L. philadelphicum* L.  
*L. superbum* Michx.  
*L. tigrinum* L.  
*Erythronium umbilicatum* ssp. *monostolum* Parks & Hardin  
*Ornithogalum umbellatum* L. (1) (2)  
*Yucca filamentosa* L. (1)  
*Y. flaccida* Haw.  
*Clintonia borealis* (Ait.) Raf.  
*C. umbellulata* (Michx.) Morong  
*Smilacina racemosa* (L.) Desf.  
*Maianthemum canadense* Desf.  
*Disporum lanuginosum* (Michx.) Nicholson  
*D. maculatum* (Buckl.) Britt.  
*Streptopus amplexifolius* DC. var. *americanus* Schultes

- S. roseus* Michx.; var. *perspectus* Fassett  
*Polygonatum biflorum* (Walt.) Ell.  
*P. canaliculatum* (Muhl.) Pursh  
*P. pubescens* (Willd.) Pursh  
*Convallaria majalis* L. (1)  
*C. montana* Raf.  
*Medeola virginiana* L.  
*Trillium catesbaei* Ell.  
*T. cernuum* L. var. *maoranthum* Wieg. (3)  
*T. cuneatum* Raf. (*T. hugeri* Small)  
*T. erectum* L.; var. *blandum* Jennison (2); forma *albiflorum*  
     R. Hoffm.; forma *luteum* Louis-Marie  
*T. flexipes* Raf.  
*T. grandiflorum* (Michx.) Salisb.  
*T. luteum* (Muhl.) Harbison  
*T. undulatum* Willd.  
*T. vaseyi* Harb.; var. *simile* (Gleason) Bark.  
*Aletris farinosa* L.  
*Smilax ecirrhata* (Engelm.) S. Wats.  
*S. glauca* (L.) Walt.  
*S. hugeri* Small (2)  
*S. herbacea* L. (*Nemexia* Small)  
*S. rotundifolia* L. (incl. var. *quadrangularis* (Muhl.) Wood)  
*S. tamnoides* L. var. *hispida* (Muhl.) Fern. (*S. hispida* Muhl.)  
34. **DIOSCOREACEAE** (Yam Family)  
     *Dioscorea batatas* Dcne. (1)  
     *D. quaternata* (Walt.) J. F. Gmel. (*D. paniculata* Michx.)  
     *D. villosa* L.  
35. **AMARYLLIDACEAE** (Amaryllis Family—Narcissus, Stargrass)  
     *Narcissus pseudo*—*Narcissus* L. (1)  
     *Hypoxis hirsuta* (L.) Coville  
36. **IRIDACEAE** (Iris Family—Blackberry lily, Blue-eyed Grass, Iris)  
     *Belamcanda chinensis* (L.) DC. (1)  
     *Sisyrinchium angustifolium* Mill. (*S. graminoides* Bickn.)  
     *S. atlanticum* Bickn.  
     *S. mucronatum* Michx.  
     *Iris cristata* Ait.  
     *I. laevigata* Fisch. (1)  
     *I. verna* L. var. *smalliana* Fern.  
     *I. virginica* L. var. *shrevei* E. Anders.  
39. **ORCHIDACEAE** (Orchis Family—Lady's-slipper, Orchis, Fringed  
     Orchis, Pogonia, Ladies-tresses, Rattlesnake Plantain, etc.)



- Cypripedium acaule* Ait.; forma *albiflorum* Rand. & Redf.  
*C. calceolus* L. var. *parviflorum* (Salisb.) Fern. (3); var. *pubescens* (Willd.) Correll (3)  
*Orchis spectabilis* L.  
*Habenaria ciliaris* (L.) R.Br.  
*H. clavellata* (Michx.) Spreng.  
*H. fimbriata* (Ait.) R.Br.  
*H. lacera* Michx. (2)  
*H. peramoena* Gray  
*H. psycodes* (L.) Spreng.  
*Cleisthes divaricata* (L.) Ames var. *bifaria* Fern.  
*Triphora trianthophora* (Sw.) Rydb.  
*Isotria verticillata* (Willd.) Raf.  
*Calopogon pulchellus* (Salisb.) R.Br.  
*Spiranthes cernua* (L.) Richard  
*S. gracilis* (Bigel.) Beck  
*S. odorata* (Nutt.) Lindl.  
*S. tuberosa* Raf.; var. *grayi* (Ames) Fern.  
*S. vernalis* Engelm. & Gray  
*Goodyera pubescens* (Willd.) R.Br.  
*G. repens* R.Br. var. *ophioides* Fern.  
*Listera smallii* Wieg. (*L. reniformis* Small)  
*Corallorhiza odontorhiza* (Willd.) Nutt.  
*C. wisteriana* Conrad  
*Malaxis unifolia* Michx.  
*Liparis lilifolia* (L.) Richard  
*Aplectrum hyemale* (Muhl.) Torr.  
*Tipularia discolor* (Pursh) Nutt.  
*Hexalectris spicata* (Walt.) Barnh.

SPERMATOPHYTA (ANGIOSPERMAE) DICOTYLEDONS

41. SALICACEAE (Willow Family—Willow, Poplar)

- Salix alba* L. (1)  
*S. babylonica* L. (1)  
*S. caroliniana* Michx.  
*S. discolor* Muhl. (3)  
*S. humilis* Marsh.; var. *microphylla* (Anderss.) Fern.; var. *rigiduscula* (And.) Rob. & Fern.  
*S. nigra* Marsh.  
*S. sericea* Marsh.  
*Populus alba* L. (1)  
*P. canescens* Sm. (1)  
*P. deltoides* Marsh. (1)

*P. grandidentata* Michx. (1)

× *P. gileadensis* Roleau (1)

44. JUGLANDACEAE (Walnut Family—Walnut, Hickory)

*Juglans cinerea* L.

*J. mandshurica* Maxim. (1)

*J. nigra* L.

*Carya cordiformis* (Wang.) K. Koch

*C. glabra* (Mill.) Sweet

*C. illinoensis* (Wang.) Koch (1)

*C. laciniata* (Michx.) Loud. (2)

*C. ovalis* (Wang.) Sarg.

*C. ovata* (Mill.) K. Koch

*C. pallida* (Ashe) Engl. & Graebn.

*C. tomentosa* Nutt.

45. CORYLACEAE (Hazel Family—Hazel, Ironwood, Hornbeam, Birch, Alder)

*Corylus americana* Walt.

*C. cornuta* Marsh.

*Ostrya virginiana* (Mill.) K. Koch

*Carpinus caroliniana* Walt.; var. *virginiana* (Marsh.) Fern.

*Betula alleghaniensis* Britt. (*B. lutea* Michx.)

*B. lenta* L.

*B. nigra* L.

*Alnus serrulata* (Ait.) Willd.

46. FAGACEAE (Beech Family—Beech, Chestnut, Oak)

*Fagus grandifolia* Ehrh., var. *caroliniana* (Loud.) Fern.; two variants known locally as red beech and gray beech

*Castanea dentata* (Marsh.) Borkh.

*C. mollissima* Bl. (1)

*C. pumila* (L.) Mill.

*Quercus alba* L.; var. *latiloba* Sarg.

*Q. bicolor* Willd.

*Q. coccinea* Muenchh.

*Q. falcata* Michx. (*Q. digitata* (Marsh.) Sudw.); × *Q. anceps*  
E. J. Palmer (*Q. falcata* × *imbricaria*)

*Q. imbricaria* Michx.

*Q. marilandica* Muenchh.

*Q. prinus* L. (*Q. montana* Willd.)

*Q. rubra* L. (*Q. borealis* Michx.)

*Q. stellata* Wang.

*Q. velutina* Lam.

47. **ULMACEAE** (Elm Family—Elm, Hackberry)  
*Ulmus alata* Michx.  
*U. americana* L.  
*U. rubra* Muhl. (*U. fulva* Michx.)  
*Celtis laevigata* Willd. var. *smallii* (Beadle) Sarg.  
*C. occidentalis* L. var. *pumila* (Pursh) Gray  
*C. tenuifolia* Nutt. var. *georgiana* (Small) Fern. & Schub.
48. **MORACEAE** (Mulberry Family—Mulberry, Osage Orange)  
*Morus alba* L. (1)  
*M. rubra* L.  
*Maclura pomifera* (Raf.) Schneid. (1)
50. **URTICACEAE** (Nettle Family—Wood-Nettle, Richweed, False Nettle, Pellitory)  
*Laportea canadensis* (L.) Wedd.  
*Pilea pumila* (L.) Gray  
*Boehmeria cylindrica* (L.) Sw.  
*Parietaria pensylvanica* Muhl. (2)
51. **SANTALACEAE** (Sandalwood Family—Buffalo-nut)  
*Pyralaria pubera* Michx.
52. **LORANTHACEAE** (Mistletoe Family—American Mistletoe)  
*Phoradendron flavescens* (Pursh) Nutt.
53. **ARISTOLOCHIACEAE** (Birthwort Family—Wild ginger, Dutchman's pipe, Snakeroot)  
*Asarum ruthii* Ashe (*Hexastylis ruthii* (Ashe) Small)  
*A. canadense* L.; var. *acuminatum* Ashe  
*A. shuttleworthii* Britten & Baker  
*Aristolochia durior* Hill  
*A. serpentaria* L.
54. **POLYGONACEAE** (Buckwheat Family—Dock, Jumpseed, Smartweed)  
*Rumex acetosella* L. (1)  
*R. obtusifolius* L. (1)  
*R. patientia* L. (1)  
*Tovara virginiana* (L.) Raf. (*Polygonum* L.)  
*Polygonum aviculare* L. var. *littorale* (Link) W.D.J. Koch  
*P. cilinode* Michx.  
*P. convolvulus* L. (1)  
*P. cristatum* Engel. & Gray  
*P. erectum* L.  
*P. hydropiperoides* Michx.  
*P. lapathifolium* L.  
*P. orientale* L. (1)

- P. pensylvanicum* L. (1)  
*P. persicaria* L. (1)  
*P. punctatum* Ell.; var. *leptostachyum* (Meisn.) Small  
*P. sagittatum* L.  
*P. scandens* L.  
*P. setaceum* Baldw.
55. CHENOPODIACEAE (Goosefoot Family—Lamb's quarters, Mexican Tea)  
*Chenopodium album* L. (1)  
*C. ambrosioides* L. (1)
56. AMARANTHACEAE (Amaranth Family—Pigweed)  
*Amaranthus spinosus* L. (1)  
*A. hybridus* L. (1)
57. NYCTAGINACEAE (Four O'Clock Family)  
*Mirabilis jalapa* L. (1)
58. PHYTOLACCACEAE (Pokeweed Family—Poke)  
*Phytolacca americana* L.
59. AIZOACEAE (Mesembryanthemum Family—Indian chickweed)  
*Mollugo verticillata* L. (1)
60. PORTULACACEAE (Purslane Family—Purslane, Spring Beauty)  
*Portulaca oleracea* L. (1)  
*Claytonia caroliniana* Michx. { visible characters of the  
*C. virginica* L. { 2 species intergrade
61. CARYOPHYLLACEAE (Pink Family — Whitlow-wort, Pearlwort, Sandwort, Chickweed, Corn cockle, Campion, Soapwort, Pink)  
*Paronychia canadensis* (L.) Wood  
*P. fastigiata* (Raf.) Fern.  
*Sagina decumbens* (Ell.) T. & G. (1)  
*Arenaria serpyllifolia* L. (1)  
*Stellaria longifolia* Muhl.  
*S. media* (L.) Cyrillo  
*S. pubera* Michx.; var. *silvatica* (Beguinet) Weath.  
*Cerastium nutans* Raf.  
*C. viscosum* L. (1)  
*C. vulgatum* L. (1)  
*Agrostemma githago* L. (1)  
*Lychnis alba* Mill. (1)  
*L. coronaria* (L.) Desr. (1)  
*Silene antirrhina* L.  
*S. cucubalus* Wibell var. *latifolia* (Reichenb.) G. Beck (1)  
*S. ovata* Pursh

*S. rotundifolia* Nutt.  
*S. stellata* (L.) Ait.f.  
*S. virginica* L.  
*Saponaria officinalis* L. (1)  
*Dianthus armeria* L. (1)

63. NYMPHAEACEAE (Water Lily Family—Sacred Bean, Water Lily)  
*Nelumbo luteum* Pers. sub-spec. *macrophyllum* (Small)  
 Bead. (1)

*Nymphaea odorata* Ait. (1) (probably introduced from outside of the park)

64. RANUNCULACEAE (Crowfoot Family—Buttercup, False Bugbane, Meadow-Rue, etc.)  
*Ranunculus abortivus* L.  
*R. acris* L. (1)  
*R. allegheniensis* Britt.  
*R. carolinianus* DC.  
*R. hispidus* Michx.; var. *greenmanii* Benson  
*R. laxicaulis* (T. & G.) Darby  
*R. parviflorus* L. (1)  
*R. pusillus* Poir.  
*R. recurvatus* Poir.  
*Trautvetteria caroliniensis* (Walt.) Vail  
*Thalictrum clavatum* DC.  
*T. coriaceum* (Britt.) Small  
*T. dioicum* L.  
*T. polygamum* Muhl.  
*T. revolutum* L.  
*Anemonella thalictroides* (L.) Spach  
*Hepatica acutiloba* DC.  
*H. americana* (DC.) Ker  
*Anemone lancifolia* Pursh  
*A. quinquefolia* L.  
*A. virginiana* L.  
*Clematis dioscoreifolia* Levl. & Vaniot var. *robusta* (Corr.)  
 Rehd. (1)  
*C. viorna* L.  
*C. virginiana* L.  
*Aquilegia canadensis* L.  
*Delphinium ajacis* L. (1)  
*D. tricornis* Michx.  
*Aconitum uncinatum* L.  
*Cimicifuga americana* Michx.

- C. racemosa* (L.) Nutt.  
*Actaea pachypoda* Ell.  
*Xanthorhiza simplicissima* Marsh.
65. **BERBERIDACEAE** (Barberry Family—May apple, Umbrella Leaf, Blue Cobosh, Barberry)  
*Podophyllum peltatum* L.  
*Diphylleia cymosa* Michx.  
*Caulophyllum thalictroides* (L.) Michx.  
*Berberis vulgaris* L. (1)
66. **MENISPERMACEAE** (Moonseed Family—Snailseed, Moonseed)  
*Cocculus carolinus* (L.) DC.  
*Menispermum canadense* L.
67. **MAGNOLIACEAE** (Magnolia Family—Cucumber, Fraser, Evergreen, Umbrella, and Great Leaved Magnolias, Tulip Poplar)  
*Magnolia acuminata* L.; forma *aurea* (Ashe) Hardin  
*M. fraseri* Walt.  
*M. grandiflora* L. (1) (2) (from costal states)  
*M. tripetala* L.  
*M. macrophylla* Michx. (2)  
*Liriodendron tulipifera* L.
68. **CALYCANTHACEAE** (Calycanthus Family—Carolina Allspice)  
*Calycanthus floridus* L. var. *laevigatus* (Willd.) Torr. & Gray
69. **ANNONACEAE** (Custard Apple Family—Pawpaw)  
*Asimina triloba* (L.) Dunal
70. **LAURACEAE** (Laurel Family—Sassafras, Wild Allspice)  
*Sassafras albidum* (Nutt.) Nees  
*Lindera benzoin* (L.) Blume
71. **PAPAVERACEAE** (Poppy Family—Bloodroot)  
*Sanguinaria canadensis* L.
- 71A. **FUMARIACEAE** (Papaveraceae, sub-family Fumarioideae—Gray's Manual, 1950) (Fumitory Family—Mountain Fringe, Dutchman's Breeches, Squirrel corn, etc.)  
*Adlumia fungosa* (Ait.) Greene  
*Dicentra cucullaria* (L.) Bernh.  
*D. canadensis* (Goldie) Walp.  
*D. eximia* (Ker) Torr.  
*Corydalis sempervirens* (L.) Pers.
72. **CAPPARIDACEAE** (Caper Family—Spider Flower)  
*Cleome spinosa* Jacq. (1)
73. **CRUCIFERAE** (Mustard Family—Draba, Pennycress, Pepperwort, Shepherd's-purse, Mustard, various cresses, etc.)  
*Draba brachycarpa* Nutt.

- D. verna L.  
 Thlaspi perfoliatum L. (1)  
 Lepidium campestre (L.) R.Br. (1)  
 L. virginicum L.  
 Capsella bursa-pastoris (L.) Medic. (1)  
 Brassica juncea Coss. var. crispifolia Bailey (1)  
 B. rapa L. (1)  
 Sisymbrium officinale (L.) Scop. (1)  
 Arabidopsis thaliana (L.) Heynh. (1)  
 Rorippa islandica (Oeder) Borbas var. fernaldiana Butt. &  
     Abbe (*Radicula palustris* (L.) Moench)  
 Nasturtium officinale R. Br. (1)  
 Barbarea verna (Mill.) Aschers. (1)  
 B. vulgaris L. (1); var. arcuata (Opiz.) Fries. (1)  
 Dentaria diphylla Michx.  
 D. heterophylla Nutt.  
 D. laciniata Muhl.  
 Cardamine clematitis Shuttlw.  
 C. flagellifera O. E. Schultz  
 C. hirsuta L. (1)  
 C. parviflora L. var. arenicola (Britt.) O. E. Schultz (2)  
 C. pensylvanica Muhl.  
 Arabis canadensis L.  
 A. laevigata (Muhl.) Poir.  
 A. lyrata L.  
 A. virginica (L.) Trelease  
 76. DROSERACEAE (Sundew Family)  
     Drosera rotundifolia L.  
 77. PODOSTEMACEAE (River weed Family—Threadfoot)  
     Podostemum ceratophyllum Michx.  
 78. CRASSULACEAE (Orpine Family—Stonecrop)  
     Sedum acre L. (1)  
     S. telephium L. (1)  
     S. ternatum Michx.  
 79. SAXIFRAGACEAE (Saxifrage Family—Ditch Stonecrop, False  
     Goatsbeard, Brook Saxifrage, Foamflower, Alumroot, Bishop's  
     Cap, Golden S., Grass of Parnassus, etc.)  
     Penthorum sedoides L.  
     Astilbe biternata (Vent.) Britt.  
     Boykinia aconitifolia Nutt.  
     Saxifraga careyana Gray  
     S. michauxii Britt.



- S. micranthidifolia* (Haw.) Britt.  
*Tiarella cordifolia* L.; var. *austrina* Lakela  
*T. wherryi* Lakela (3)  
*Heuchera americana* L.; var. *interior* Rosend., Butt. & Lak.  
*H. longiflora* Rydb.  
*H. scabra* Rydb.  
*H. villosa* Michx.; var. *intermedia* Rosend., Butt. & Lak.; var. *macrorrhiza* (Small) Rosend., Butt. & Lak.  
*Mitella diphylla* L.  
*Chrysosplenium americanum* Schwein.  
*Parnassia asarifolia* Vent.  
*Philadelphus hirsutus* Nutt.; var. *nanus* Small  
*P. inodorus* L. var. *strigosus* Beadl.; var. *grandiflorus* (Willd.) Gray  
*P. pubescens* Loisel.  
*P. sharpianus* Hu  
*Hydrangea arborescens* L.; var. *radiata* Walt.  
*Itea virginica* L.  
*Ribes cynosbati* L.  
*R. glandulosum* Grauer  
*R. odoratum* Wendl. (1)  
*R. rotundifolium* Michx.

80. HAMAMELIDACEAE (Witch-hazel Family—Witch-hazel, Sweet Gum)

- Hamamelis virginiana* L.  
*Liquidambar styraciflua* L.

81. PLATANACEAE (Plane-tree Family—Sycamore)

- Platanus occidentalis* L.

82. ROSACEAE (Rose Family—Ninebark, Spiraea, Goats-beard, Indian-physic, pear, apple, Quince, Hawthorn, Strawberry, etc.)

- Physocarpus opulifolius* (L.) Maxim.  
*Spiraea prunifolia* Sieb. & Zucc. (1)  
*S. van houttii* (Briot) Zab. (1)  
*Aruncus dioicus* (Walt.) Fern.  
*Gillenia stipulata* (Muhl.) Baill.  
*G. trifoliata* (L.) Moench  
*Pyrus americana* (Marsh.) DC. (*Sorbus* Marsh.)  
*P. angustifolia* Ait. (*Malus* Michx.)  
*P. arbutifolia* (L.) L.f.  
*P. communis* L. (1)  
*P. floribunda* Lindl. (*Aronia* Spach.)  
*P. malus* L. (1)

- P. melanocarpa* (Michx.) Willd.  
*Chaenomeles lagenaria* (Loisel.) Koidz. (1)  
*Amelanchier arborea* (Michx.) Fern.  
*A. laevis* Wieg.  
*A. sanguinea* (Pursh) DC. (2)  
*Crataegus biltmoreana* Beadle  
*C. boyntoni* Beadle  
*C. calpodendron* Medic. var. *microcarpa* (Chapm.) Palmer  
*C. collina* Chapm.  
*C. crus-galli* L.; var. *macra* (Beadle) Palmer  
*C. intricata* Lange  
*C. macrosperma* Ashe; var. *roanensis* Ashe  
*C. regalis* Beadle  
*Fragaria virginiana* Duchesne; var. *illinoensis* (Prince) Gray  
*Duchesnea indica* (Andr.) Focke (1)  
*Waldsteinia fragarioides* Tratt. var. *parviflora* (Small) Fern.  
*Potentilla canadensis* L.; var. *villosissima* Fern.; forma *ochroleuca* (Weath.) Fern. (*P. pumila* Poir.)  
*P. norvegica* L. (*P. monspeliensis* L.)  
*P. recta* L. (1)  
*P. simplex* Michx.  
*Geum canadense* Jacq.  
*G. radiatum* Michx.  
*G. vernum* (Raf.) T. & G.  
*G. virginianum* L.  
*Rubus allegheniensis* Porter  
*R. argutus* Link; var. *scissus* Bailey  
*R. baileyanus* Britt.  
*R. canadensis* L.  
*R. enslenii* Tratt.  
*R. flagellaris* Willd.  
*R. hispidus* L.; var. *obovalis* (Michx.) Fern.  
*R. idaeus* L. var. *canadensis* Richards.  
*R. jennisonianus* Bailey  
*R. occidentalis* L.; forma *pallidus* (Bailey) Robins.  
*R. odoratus* L.  
*R. pauxillus* Bailey  
*R. tennesseanus* Bailey  
*R. trivialis* L.  
*Kerria japonica* (L.) DC.  
*Alchemilla microcarpa* Boiss. & Reut. (1)  
*Agrimonia gryposepala* Wallr.

*A. parviflora* Ait.  
*A. pubescens* Wallr.  
*A. rostellata* Wallr.  
*Rosa arkansana* Porter (3)  
*R. carolina* L.  
*R. eglanteria* L. (1)  
*R. palustris* Marsh.  
*R. micrantha* Sm. (1) (*R. rubiginosa* var. *micrantha* Lindl.)  
*R. setigera* Michx. var. *tomentosa* T. & G.  
*Prunus americana* Marsh.  
*P. angustifolia* Marsh.  
*P. avium* L. (1)  
*P. hortulana* Bailey  
*P. munsoniana* Wight & Hedrick (1)  
*P. pensylvanica* L.f.  
*P. persica* L. (1)  
*P. serotina* Ehrh.  
*P. virginiana* L.

83. LEGUMINOSAE (Legume Family—Mimosa, Sensitive Briar, Coffee Tree, Honey Locust, Senna, Red-Bud, Wild Indigo, Clovers, Peas, etc.)

*Albizzia julibrissin* Durrazzini (1)  
*Schrankia microphylla* (Dryander) Macbr.  
*Gymnocladus dioica* (L.) K. Koch (1)  
*Gleditsia triacanthos* L.  
*Cassia fasciculata* Michx.  
*C. marilandica* L.  
*C. nictitans* L.  
*Cercis canadensis* L.  
*Baptisia tinctoria* (L.) R.Br.; var. *crebra* Fern.  
*Thermopsis caroliniana* M. A. Curtis  
*T. mollis* M. A. Curtis  
*Cladrastis lutea* (Michx.[f.]) K. Koch  
*Crotalaria sagittalis* L.  
*Cytisus scoparius* (L.) Link (1)  
*Trifolium hybridum* L. (1)  
*T. incarnatum* L. var. *elatius* Gibelli & Belli (1)  
*T. pratense* L. (1)  
*T. procumbens* L. (1)  
*T. repens* L. (1)  
*Melilotus officinalis* (L.) Lam. (1)  
*M. alba* Desr.

- Psoralea psoralioides* (Walt.) Cory  
*Amorpha cynostachya* M. A. Curtis (3)  
*A. fruticosa* L.; var. *tennesseensis* (Shuttlew.) Palmer (3)  
*A. glabra* Desf. (3)  
*Tephrosia spicata* (Walt.) T. & G.  
*T. virginiana* (L.) Pers.  
*Robinia boyntoni* Ashe (3)  
*R. grandiflora* Ashe (3)  
*R. hispida* L.  
*R. pseudo-acacia* L.  
*Wisteria frutescens* (L.) Poir. (1)  
*W. macrostachya* Nutt.  
*Astragalus canadensis* L. var. *carolinianus* (L.) Jones  
*Desmodium canadense* (L.) DC.  
*D. canescens* (L.) DC.  
*D. ciliare* (Muhl.) DC.  
*D. glutinosum* (Muhl.) Wood (*D. acuminatum* Michx.)  
*D. laevigatum* (Nutt.) DC.  
*D. marilandicum* (L.) DC.  
*D. paniculatum* (L.) DC.; var. *angustifolium* T. & G.  
*D. rotundifolium* DC.  
*D. sessilifolium* (Torr.) T. & G.  
*D. viridiflorum* (L.) DC.  
*D. nudiflorum* (L.) DC.  
*Lespedeza capitata* Michx.  
*L. cuneata* (Dumont) G. Don (1)  
*L. intermedia* (S. Wats.) Britt. ("*L. frutescens*" Grays Ed. 7)  
*L. hirta* (L.) Hornem.  
*L. repens* (L.) Bart.  
*L. stipulacea* Maxim. (1)  
*L. striata* (Thunb.) H. & A.  
*L. violacea* (L.) Pers.  
*L. virginica* (L.) Britt.  
*Stylosanthes biflora* (L.) BSP.  
*Vicia caroliniana* Walt.  
*V. villosa* Roth. (1)  
*Lathyrus latifolius* L. (1)  
*L. venosus* Muhl. var. *intonsus* Butt. & St. John  
*Apios americana* Medic.  
*Phaseolus polystachios* (L.) BSP.  
*Strophostyles umbellata* (Muhl.) Britt.  
*Clitoria mariana* L.

- Centrosema virginianum* (L.) Benth.  
*Amphicarpa bracteata* (L.) Fern.; var. *comosa* (L.) Fern.  
*Galactia volubilis* (L.) Britt.  
*Pueraria lobata* (Willd.) Ohwi (1)  
*Rhynchosia tomentosa* (L.) H. & A. (*R. erecta* (Walt.) DC.)
84. LINACEAE (Flax Family)  
*Linum striatum* Walt.  
*L. virginianum* L.
85. OXALIDACEAE (Wood-Sorrel Family)  
*Oxalis europaea* Jord. forma *cymosa* (Small) Wieg.  
*O. grandis* Small  
*O. montana* Raf.  
*O. stricta* L.  
*O. violacea* L.
86. GERANIACEAE (Geranium Family)  
*Geranium carolinianum* L.  
*G. columbinum* L. (1)  
*G. maculatum* L.  
*Erodium cicutarium* (L.) Her. (1)
88. RUTACEAE (Rue Family—Prickly Ash)  
*Zanthoxylum americanum* L.
89. SIMAROUBACEAE (Quassia Family—Tree-of-heaven)  
*Ailanthus altissima* (Mill) Swingle (1)
91. POLYGALACEAE (Milkwort Family)  
*Polygala cruciata* L.  
*P. curtissii* Gray  
*P. nuttallii* T. & G.  
*P. paucifolia* Willd.  
*P. polygama* Walt.  
*P. sanguinea* L.; forma *viridescens* (L.) Farw.  
*P. senega* L.; var. *latifolia* T. & G.  
*P. verticillata* L.; var. *ambigua* (Nutt.) Wood; var. *isocycla* Fern.
92. EUPHORBIACEAE (Spurge Family—3-seeded Mercury, Leaf-flower, Spurge)  
*Acalypha ostryaefolia* Riddell  
*A. rhomboidea* Raf.  
*A. virginica* L.  
*Phyllanthus caroliniensis* Walt. (2)  
*Euphorbia corollata* L. (*Tithymalopsis* Small)  
*E. maculata* L. (*E. preslii* Guss.)
93. CALLITRICHACEAE (Water Starwort Family)

Callitriche heterophylla Pursh

94. BUXACEAE (Box Family)

Buxus sempervirens L. (1)

97. ANACARDIACEAE (Cashew Family—Sumac, Poison Ivy)

Rhus aromatica Ait. (2)

R. copallina L.; var. latifolia Engler

R. glabra L.

R. radicans L. (including forms sometimes designated as  
*R. toxicodendron*)

R. typhina L.

99. AQUIFOLIACEAE (Holly Family)

Ilex longipes Chapm. (*I. collina* Alex.)

I. montana T. & G.; var. mollis (Gray) Britt. (*I. beadlei*  
Ashe)

I. opaca Ait.

100. CELASTRACEAE (Stafftree Family—Burning Bush, Shrubby Bittersweet)

Euonymus americanus L.

E. atropurpureus Jacq.

E. obovatus Nutt.

Celastrus orbiculatus Thunb. (1)

101. STAPHYLEACEAE (Bladdernut Family)

Staphylea trifolia L.

102. ACERACEAE (Maple Family—Box-Elder, various Maples)

Acer negundo L.

A. pensylvanicum L.

A. platanoides L. (1)

A. rubrum L.; var. trilobum K. Koch

A. saccharinum L.

A. saccharum Marsh.; forma rugelii (Pax) Palmer & Steyerf.

A. spicatum Lam.

103. HIPPOCASTANACEAE (Buckeye Family—Yellow Buckeye)

Aesculus octandra Marsh.

105. BALSAMINACEAE (Touch-me-not Family)

Impatiens capensis Meerb.

I. pallida Nutt.; forma speciosa Jennings

I. oliveri Wright (1)

106. RHAMNACEAE (Buckthorn Family—Buckthorn, New Jersey Tea)

Rhamnus caroliniana Walt.

Ceanothus americanus L.

107. VITACEAE (Vine Family—Virginia Creeper, Grapes)

Ampelopsis cordata Michx.

- Parthenocissus quinquefolia (L.) Planch.; forma hirsuta  
 (Donn) Fern.  
 Vitis aestivalis Michx. var. argentifolia (Munson) Fern.  
 V. baileyana Munson  
 V. cinerea Engelm. (3)  
 V. labrusca L.  
 V. rotundifolia Michx.  
 V. vulpina L.
108. TILIACEAE (Linden Family—Basswood)  
 Tilia heterophylla Vent.
109. MALVACEAE (Mallow Family)  
 Malva neglecta Wallr. (1)  
 M. sylvestris L. (1)  
 Sida spinosa L. (1)  
 Hibiscus moscheutos L.  
 H. syriacus L. (1)
110. THEACEAE (Camellia Family—Mountain Camellia)  
 Stewartia ovata (Car.) Weath. (*S. pentagyna* L'Her.)
111. GUTTIFERAE (St. John's-wort Family—St. Peter's-wort, St. John's-  
 wort)  
 Ascyrum hypericoides L.; var. multicaule (Michx.) Fern.  
 Hypericum denticulatum Walt. var. recognitum Fern. &  
 Schub. (3)  
 H. gentianoides (L.) BSP.  
 H. mitchellianum Rydb. (includes *H. graveolens* Buckl.)  
 H. perforatum L.  
 H. punctatum Lam.; var. pseudomaculatum (Bush) Fern.  
 H. mutilum L.; var. parviflorum (Willd.) Fern.
114. CISTACEAE (Rockrose Family—Rockrose, Pinweed)  
 Helianthemum bicknellii Fern.  
 Lechea racemulosa Michx. (3)
115. VIOLACEAE (Violet Family)  
 Hybanthus concolor (T. F. Forst.) Spreng.  
 Viola affinis LeConte  
 V. blanda Willd.  
 V. canadensis L.  
 V. conspersa Reichenb.  
 V. cucullata Ait.  
 V. cucullata × papilionacea; cucullata × septentrionalis;  
 cucullata × sororia  
 V. emarginata (Nutt.) LeConte; e. × sagittata  
 V. fimbriatula Sm.



- V. hastata* Michx.
- V. hirsutula* Brainerd
- V. incognita* Brainerd
- V. kitaibeliana* R. & S., var. *rafineskuii* (Greene) Fern. (*V. rafineskuii* Greene)
- V. lanceolata* L.
- V. latiuscula* Greene
- V. macloskeyi* F. E. Lloyd subsp. *pallens* (Banks) Baker
- V. odorata* L. (1)
- V. papilionacea* Pursh
- V. pedata* L.; var. *lineariloba* DC.
- V. pensylvanica* Michx. (*V. eriocarpa* and *scabriuscula* Schwein.)
- V. primulifolia* L.; var. *villosa* Eat.
- V. pubescens* Ait.
- V. rostrata* Pursh
- V. rotundifolia* Michx.
- V. sagittata* Ait.; *saggittata* × *sororia*
- V. septentrionalis* Greene
- V. sororia* Willd.
- V. stoneana* House
- V. striata* Ait.; *v. striata* × *rostrata*
- V. tripartita* Ell. forma *glaberrima* (DC.) Fern.
- V. walteri* House
- V. triloba* Schwein.

116. PASSIFLORACEAE (Passionflower Family)

- Passiflora lutea* L.
- P. incarnata* L.

121. LYTHRACEAE (Loosestrife Family—Clammy cuphea)

- Cuphea petiolata* (L.) Koehne

122. NYSSACEAE (Sour Gum Family—Black Gum)

- Nyssa sylvatica* Marsh. (3)

123. MELASTOMATACEAE (Melastoma Family—Meadow Beauty)

- Rhexia mariana* L.
- R. virginica* L.

125. ONAGRACEAE (Evening Primrose Family—False Loosestrife, Willow-herb, Evening-primrose, Gaura, Enchanter's Nightshade)

- Ludwigia alternifolia* L.
- L. palustris* L.; var. *americana* (DC.) Fern. & Grisc. (1)
- Epilobium coloratum* Biehler
- E. glandulosum* Lehm. var. *adenocaulon* (Hayssk.) Fern.

- Oenothera biennis* L.  
*O. fruticosa* L.; var. *linearis* (Michx.) S. Wats.  
*O. laciniata* Hill  
*O. pilosella* Raf.  
*O. speciosa* Nutt. (1)  
*O. tetragona* Roth. var. *fraseri* (Pursh) Munz.; var. *latifolia* (Rydb.) Fern.; var. *longistipata* (Pennell) Munz  
*Gaura biennis* L.  
*Circaea alpina* L.  
*C. quadrisulcata* Franch. & Sav. var. *canadensis* (L.) Hara (*C. latifolia* Hill)

128. ARALIACEAE (Ginseng Family—Wild Sarsparilla, Spikenard, Hercules Club, Ginseng, English Ivy)

- Aralia nudicaulis* L.  
*A. racemosa* L.  
*A. spinosa* L.  
*Panax quinquefolius* L.  
*P. trifolius* L.  
*Hedera helix* L. (1)

129. UMBELLIFERAE (Parsley Family)

- Sanicula canadensis* L.  
*S. gregaria* Bickn.  
*S. marilandica* L.  
*S. trifoliata* Bickn.  
*Chaerophyllum tainturieri* Hook. var. *floridanum* C. & R.  
*Osmorhiza claytoni* (Michx.) C. B. Clarke  
*Torilis japonica* (Houtt) DC. (1)  
*Zizia aptera* (Gray) Fern.  
*Z. aurea* (L.) W. D. J. Koch  
*Z. trifoliata* (Michx.) Fern.  
*Cicuta maculata* L.  
*Cryptotaenia canadensis* (L.) DC.  
*Taenidia integerrima* (L.) Drude  
*Ligusticum canadense* (L.) Britt.  
*Thaspium barbinode* (Michx.) Nutt.  
*T. pinnatifidum* (Buckl.) Gray  
*T. trifoliatum* (L.) Gray; var. *flavum* Blake  
*Angelica triquinata* Michx. (*A. curtisii* Buckl.)  
*A. venenosa* (Greenway) Fern.  
*Oxypolis rigidior* (L.) C. & R.  
*Heracleum maximum* Bartr.  
*Daucus carota* L. (1)

130. CORNACEAE (Dogwood Family)  
*Cornus alternifolia* L.f.  
*C. amomum* Mill.  
*C. florida* L.
131. CLETHRACEAE (White Alder Family—Sweet Pepper Bush)  
*Clethra acuminata* Michx.
132. PYROLACEAE (Wintergreen Family—Wintergreen, Indian-pipe, Sweet Pinesap)  
*Chimaphila maculata* (L.) Pursh  
*Monotropa uniflora* L.  
*M. hypopithys* L. (*Hypopithys lanuginosa* (Michx.) Nutt.)  
*Monotropis lehmaniae* Burm.f.  
*M. odorata* Ell.
133. ERICACEAE (Heath Family—includes Azalea, Laurel, Sourwood, Huckleberries, Blueberries, etc.)  
*Rhododendron catawbiense* Michx.  
*R. maximum* L.  
*R. minus* Michx.  
*R. arborescens* (Pursh) Torr.; var. *richardsonii* Rehd.  
*R. calendulaceum* (Michx.) Torr.  
*R. canescens* (Michx.) Sweet  
*R. nudiflorum* (L.) Torr.  
*R. roseum* (Loisel) Rydb. (3)  
*R. viscosum* (L.) Torr.; var. *montanum* Rehd.; forma *glau- cum* (Lam.) Voss  
*Leiophyllum buxifolium* Ell. var. *hugerii* (Small) Schneid. (*L. lyoni* Sweet)  
*Menziesia pilosa* (Michx.) Juss.  
*Kalmia latifolia* L.  
*Pieris floribunda* (Pursh) B. & H.  
*Lyonia ligustrina* (L.) DC. (incl. var. *foliosiflora* (Michx.) Fern.)  
*Leucothoe fontanesiana* (Steud.) Sleumer\* (*L. editorum* Fern. & Schub.)  
*L. recurva* (Buckley) Gray  
*Oxydendrum arboreum* (L.) DC.  
*Epigaea repens* L.  
*Gaultheria procumbens* L.  
*Gaylussacia baccata* (Wang.) K. Koch  
*G. ursina* M. A. Curtis (*Decachaena* T. & G.)  
*Vaccinium arboreum* Marsh. (*Batodendron* (Nutt.) Gray)

\* K. Lems 1962 determination

- V. atrococcum* (A. Gray) Heller  
*V. constablaei* Gray (incl. in *V. corymbosum* L. sensu. lato)  
*V. erythrocarpum* Michx. (Hugeria Small)  
*V. hirsutum* Buckl. (*Cyanococcus* Rydb.)  
*V. pallidum* Ait. (*V. corymbosum* L. in part) (*Cyanococcus pallidus* (Ait.) Small)  
*V. simulatum* Small (*Cyanococcus* Small) (incl. in *V. corymbosum* L. sensu lato)  
*V. stamineum* L. (*Polycodium* Small); var. *melanocarpum* Mohr; var. *neglectum* (Small) Deam; var. *candicans* (Small) Mohr; *stamineum* × *pallidum*  
*V. vacillans* Torr. (*Cyanococcus* Small)
134. DIAPENSIACEAE (Diapensia Family—Galax)  
*Galax aphylla* L.
135. PRIMULACEAE (Primrose Family—Loosestrife, Water Pimpernel)  
*Lysimachia ciliata* L. (*Steironema ciliatum* (L.) Raf.)  
*L. lanceolata* Walt.  
*L. quadrifolia* Sims  
*L. terrestris* (L.) BSP.  
*L. tonsa* Wood  
*Samolus parviflorus* Raf. (*S. floribundus* HBK.)
138. EBENACEAE (Ebony Family—Persimmon)  
*Diospyros virginiana* L.
139. SYMPLOCACEAE (Sweetleaf Family—Yellowwood)  
*Symplocos tinctoria* (L.) L'Her.
140. STYRACACEAE (Storax Family—Silverbell)  
*Halesia carolina* L. var. *monticola* Rehd.
141. OLEACEAE (Olive Family—Ash, Lilac, Golden Bell, Fringe Tree, Privet)  
*Fraxinus americana* L.; var. *biltmoreana* (Beadle) J. Wright  
*F. pennsylvanica* Marsh.; var. *subintegerrima* (Vahl) Fern.  
*Syringa vulgaris* L. (1)  
*Forsythia suspensa* (Thunb.) Vahl (1)  
*Chionanthus virginicus* L.  
*Ligustrum vulgare* L. (1)
142. LOGANIACEAE (Logania Family—Indian Pink)  
*Spigelia marilandica* L.
143. GENTIANACEAE (Gentian Family—Rose Pink, Gentian, Pennywort)  
*Sabatia angularis* (L.) Pursh  
*S. campanulata* (L.) Torr.  
*Gentiana decora* Pollard

- G. linearis Froel.
- G. quinquefolia L.
- Bartonia virginica (L.) BSP.
- Obolaria virginica L.
- 144. APOCYNACEAE (Dogbane Family—includes Periwinkle, Spreading Dogbane)
  - Amsonia tabernaemontana Walt.
  - Vinca minor L. (1)
  - Apocynum androsaemifolium L.
- 145. ASCLEPIADACEAE (Milkweed Family—Milkweed, Anglepod)
  - Asclepias amplexicaulis Sm.
  - A. exaltata L.
  - A. incarnata L. var. pulchra (Ehrh.) Pers.
  - A. quadrifolia Jacq.
  - A. tuberosa L.
  - A. variegata L.
  - A. verticillata L.
  - Gonolobus obliquus (Jacq.) Schultes (2) (3)
- 146. CONVULVULACEAE (Convolvulus Family—Morning Glory, Bindweed, Dodder)
  - Ipomoea coccinea L. (1)
  - I. hederacea L.
  - I. lacunosa L.
  - I. pandurata (L.) G. F. W. Mey.
  - I. purpurea L. (1)
  - Convolvulus sepium L.; var. fraterniflorus Mackenz. & Bush
  - Cuscuta campestris Yuncker
  - C. compacta Juss.
  - C. gronovii Willd. var. vulviviga Engelm.
  - C. rostrata Shuttlw.
- 147. POLEMONIACEAE (Phlox Family—Jacobs Ladder, Phlox)
  - Polemonium reptans L.
  - Phlox amoena Sims
  - P. amplifolia Britt.
  - P. carolina L. var. triflora (Michx.) Wherry
  - P. divaricata L.
  - P. glaberrima L. var. interior Wherry
  - P. maculata L.; var. purpurea Michx. (var. *pyramidalis* (Sm.) Wherry)
  - P. paniculata L.
  - P. stolonifera Sims
  - P. subulata L. (1)

148. **HYDROPHYLLACEAE** (Waterleaf Family—Waterleaf, Phacelia)  
*Hydrophyllum canadense* L.  
*H. virginianum* L. var. *atranthum* (E. J. Alex.) Constance  
*Phacelia bipinnatifida* Michx.; var. *plummeri* Wood  
*P. dubia* (L.) Trel.  
*P. fimbriata* Michx.  
*P. purshii* Buckl.
149. **BORAGINACEAE** (Borage Family — Bugloss, Gromwell, Beggars' Lice, Forget-me-not, Virginia Bluebells, Stickseed)  
*Echium vulgare* L. (1)  
*Lithospermum arvense* L. (1)  
*Cynoglossum virginianum* L.  
*Myosotis macrosperma* Engelm.  
*M. scorpioides* L. (1)  
*M. verna* Nutt.  
*Mertensia virginica* (L.) Pers.  
*Hackelia virginiana* (L.) I. M. Johnston
150. **VERBENACEAE** (Vervain Family—White V., French Mulberry)  
*Verbena urticifolia* L.  
*Callicarpa americana* L.
151. **LABIATAE** (Mint Family)  
*Trichostemma dichotomum* L.  
*Teucrium canadense* L. var. *virginicum* (L.) Eat.  
*Scutellaria elliptica* Muhl. var. *hirsuta* (Short) Fern.  
*S. incana* Biehler var. *punctata* (Chapm.) Mohr  
*S. integrifolia* L.  
*S. lateriflora* L.  
*S. ovata* Hill var. *venosa* Epl.  
*Agastache scrophulariaefolia* (Willd.) Ktze.  
*Nepeta cataria* L. (1)  
*Glechoma hederacea* L. (1)  
*Prunella vulgaris* L. var. *lanceolata* (Bart.) Fern.  
*Physostegia virginiana* (L.) Benth.  
*Leonurus cardiaca* L. (1)  
*Lamium amplexicaule* L. (1)  
*L. purpureum* L. (1)  
*Stachys clingmanii* Small  
*S. palustris* L.  
*S. riddellii* House  
*S. salvioides* Small  
*S. tenuifolia* Willd. var. *hispida* (Pursh) Fern.  
*Salvia lyrata* L.

*Monarda clinopodia* L.  
*M. didyma* L.  
*M. fistulosa* L.  
*M. media* Willd. (1 probably)  
*Blephilia hirsuta* (Pursh) Benth.  
*B. ciliata* (L.) Benth.  
*Hedeoma pulegioides* (L.) Pers.  
*Melissa officinalis* L. (1)  
*Satureja vulgaris* (L.) Fritsch. var. *neogaea* Fern.  
*Pycnanthemum beadleii* (Small) Fern.  
*P. flexuosum* (Walt.) BSP.  
*P. incanum* Michx. var. *loomisii* (Nutt.) Fern.  
*P. montanum* Michx.  
*P. muticum* (Michx.) Pers.  
*P. pycnanthemoides* Fern. var. *viridifolium* Fern.  
*Cunila origanoides* (L.) Britt.  
*Lycopus rubellus* Moench.  
*L. americanum* Muhl. (3)  
*L. uniflorus* Michx.  
*L. virginicus* L.; *L. virginicus* × *uniflorus*  
*Mentha piperita* L. (1)  
*M. spicata* L. (1)  
*Collinsonia canadensis* L.; var. *punctata* (Ell.) Gray  
*Perilla frutescens* (L.) Britt. (1)

152. SOLANACEAE (Nightshade Family—Nightshade, Ground Cherry, Apple-of-Peru, Jimsonweed)

*Solanum carolinense* L.  
*S. americanum* Mill.  
*Physalis pubescens* L.  
*P. pruinosa* L.  
*P. subglabrata* Mackenz. & Bush.  
*P. virginiana* Mill.  
*Nicandra physalodes* (L.) Pers. (1)  
*Datura stramonium* L. (1); var. *tatula* (L.) Torr. (1) (2)

153. SCROPHULARIACEAE (Figwort Family—Mullein, Toadflax, Figwort, Turtlehead, Beardtongue, Princess Tree, Monkey Flower, Hedge Hyssop, etc.)

*Verbascum thapsus* L. (1)  
*V. blattaria* L. (1)  
*Linaria canadensis* (L.) Dumont  
*L. vulgaris* Hill (1)  
*Scrophularia marilandica* L.



- Chelone chlorantha* Penn. & Wheery  
*C. glabra* L.; var. *elatio* Raf.  
*C. lyoni* Pursh  
*Penstemon brevisepalus* Pennell  
*P. canescens* Britt.  
*P. hirsutus* (L.) Willd.  
*P. laevigatus* Ait.  
*P. smallii* Heller  
*Paulownia tomentosa* (Thunb.) Steud. (1)  
*Mimulus alatus* Ait.  
*M. ringens* L.  
*Mazus japonicus* (Thunb.) Ktze. (1)  
*Gratiola neglecta* Torr.  
*Lindernia dubia* (L.) Pennell  
*Digitalis purpurea* L. (1)  
*Veronica anagallis-aquatica* L.  
*V. arvensis* L. (1)  
*V. officinalis* L. (1)  
*V. peregrina* L.  
*V. serpyllifolia* L. (1)  
*Gerardia decemloba* Greene  
*G. flava* L.  
*G. laevigata* Raf.  
*G. pectinata* (Nutt.) Benth.  
*G. pedicularia* L.; var. *austromontana* (Pennell) Fern.  
*G. purpurea* L.  
*G. tenuifolia* Vahl.  
*G. setacea* (Walt.) J. F. Gmel.  
*G. virginica* (L.) BSP.  
*Castilleja coccinea* (L.) Spreng.  
*Melampyrum lineare* Desr. var. *americanum* (Michx.)  
     Beauv.; var. *latifolium* Bart.  
*Pedicularis canadensis* L.

154. BIGNONIACEAE (Bignonia Family—Trumpet Creeper, Cross-vine,  
     Catalpa)  
     *Campsis radicans* (L.) Seem.  
     *Bignonia capreolata* L.  
     *Catalpa speciosa* Warder (1)
156. OROBANCHACEAE (Broomrape Family—Beech-drops, Cancer-root,  
     Broom-rape)  
     *Epifagus virginiana* (L.) Bart.

- Conopholis americana* (L.) Wallr.  
*Orobanche uniflora* L.
158. ACANTHACEAE (Acanthus Family—Water Willow, Ruellia)  
*Justicia americana* (L.) Vahl  
*Ruellia caroliniensis* (Walt.) Steud.  
*R. humilis* Nutt.
159. PHRYMACEAE (Lopseed Family)  
*Phryma leptostachya* L.
160. PLANTAGINACEAE (Plantain Family)  
*Plantago aristata* Michx.  
*P. lanceolata* L. (1)  
*P. rugelii* Dcne.  
*P. virginica* L.
161. RUBIACEAE (Madder Family—Bedstraw, Buttonweed, Partridgeberry, Buttonbush, Bluet)  
*Galium aparine* L.  
*G. circaezans* Michx.  
*G. lanceolatum* Torr.  
*G. latifolium* Michx.  
*G. obtusum* Bigel.  
*G. pilosum* Ait.; var. *punctulosum* (Michx.) T. & G.  
*G. tinctorium* L.; var. *subbiflorum* (Weig.) Fern.  
*G. triflorum* Michx. var. *asprelliforme* Fern.  
*Diodia teres* Walt.  
*D. virginiana* L.  
*Mitchella repens* L.  
*Cephalanthus occidentalis* L.  
*Houstonia caerulea* L.  
*H. purpurea* L.  
*H. serpyllifolia* Michx.; forma *alba* Alex.  
*H. tenuifolia* Nutt.
162. CAPRIFOLIACEAE (Honeysuckle Family—including Honeysuckle, Horse Gentian, Viburnum, Elder)  
*Diervilla sessilifolia* Buckl.  
*Lonicera canadensis* Bartr.  
*L. japonica* Thunb. (1)  
*L. sempervirens* L.  
*Symphoricarpos orbiculatus* Moench.  
*Triosteum aurantiacum* Bickn.  
*Viburnum acerifolium* L.; var. *glabrescens* Rehd.; forma *ovatum* Rehd.  
*V. alnifolium* Marsh.

- V. cassinoides L.
- V. dentatum L. (incl. *V. scabrellum* (T. & G.) Chapm.)
- V. prunifolium L.
- V. opulus L. (1)
- V. recognitum Fern.
- V. rufidulum Raf.
- Sambucus pubens Michx.
- S. canadensis L.; S. pubens  $\times$  canadensis
- 164. VALERIANACEAE (Valerian Family)
  - Valerianella radiata (L.) Dufr.
- 165. DIPSACACEAE (Teasel Family)
  - Dipsacus sylvestris Huds. (1)
- 166. CUCURBITACEAE (Gourd Family—Melonette)
  - Melothria pendula L.
- 167. CAMPANULACEAE (Bluebell Family—Venus Looking-glass, Bell-flower, Lobelia)
  - Specularia perfoliata (L.) A. DC.
  - Campanula americana L.
  - C. aparinoides Pursh
  - C. divaricata Michx.
  - Lobelia cardinalis L.
  - L. inflata L.
  - L. puberula Michx. (also white form)
  - L. siphilitica L.
  - L. spicata Lam.; var. leptostachys (A. DC.) Mackenz. & Bush
- 168. COMPOSITAE (Composite Family—includes Thoroughworts, Asters, Golden Asters, Goldenrods, Sunflowers, etc.)
  - Vernonia altissima Nutt.
  - V. noveboracensis (L.) Michx.
  - Elephantopus carolinianus Willd.
  - E. tomentosus L.
  - Eupatorium album L.
  - E. aromaticum L.
  - E. coelestinum L.
  - E. fistulosum Barratt
  - E. hyssopifolium L.
  - E. maculatum L.
  - E. perfoliatum L.
  - E. purpureum L.
  - E. rotundifolium L.
  - E. rugosum Hout.; var. roanense (Small) Fern.
  - E. serotinum Michx.

- E. sessilifolium* L.  
*Kuhnia eupatorioides* L.  
*Liatris spicata* (L.) Willd.  
*L. squarrulosa* Michx.  
*Chrysopsis mariana* (L.) Ell.  
*C. nervosa* (Willd.) Fern.  
*Solidago altissima* L.  
*S. arguta* Ait.  
*S. bicolor* L.; var. *ovalis* Farw.  
*S. boottii* Hook.  
*S. curtisii* T. & G.  
*S. erecta* Pursh  
*S. flaccidifolia* Small  
*S. flexicaulis* L.  
*S. gigantea* Ait.  
*S. glomerata* Michx.  
*S. hispida* Muhl.  
*S. juncea* Ait.  
*S. nemoralis* Ait.; var. *haleana* Fern.  
*S. odora* Ait.  
*S. patula* Muhl.  
*S. puberula* Nutt.  
*S. roanensis* Porter; var. *monticola* (T. & G.) Fern.  
*S. rugosa* Mill. var. *aspera* (Ait.) Fern. (*S. aspera* Ait.)  
*S. speciosa* Nutt. var. *angustata* T. & G.  
*S. sphacelata* Raf.  
*Aster acuminatus* Michx.  
*A. cordifolius* L.  
*A. curtisii* T. & G.; *A. curtisii* × *lateriflorus*  
*A. divaricatus* L.  
*A. chlorolepis* Burgess (3) (usually included by authors with  
*A. divaricatus*)  
*A. dumosus* L.; *A. dumosus* × *pilosus*  
*A. infirmus* Michx.  
*A. lateriflorus* (L.) Britt.  
*A. linariifolius* L.  
*A. lowrieanus* Porter  
*A. macrophyllus* L.; var. *ianthinus* (Burgess) Fern.  
*A. oblongifolius* Nutt.  
*A. patens* Ait.; var. *phlogifolius* (Muhl.) Nees.  
*A. pilosus* Willd.; var. *platyphyllus* (T. & G.) Blake  
*A. puniceus* L.

- A. sagittifolius* Wedemeyer  
*A. surculosus* Michx.  
*A. sylvestris* Burgess (3); var. *loriformis* Burgess  
*A. umbellatus* Mill.  
*A. undulatus* L.  
*Erigeron annuus* (L.) Pers.  
*E. canadensis* L.  
*E. philadelphicus* L.  
*E. pulchellus* Michx.  
*E. strigosus* Muhl.  
*Sericocarpus asteroides* (L.) BSP.  
*S. linifolius* (L.) BSP.  
*Pluchea camphorata* (L.) DC.  
*Antennaria neglecta* Greene  
*A. plantaginifolia* (L.) Hook.  
*A. solitaria* Rydb.  
*Gnaphalium obtusifolium* L.; var. *praecox* Fern.; var. *micradenium* Weath.  
*G. purpureum* L.  
*Ambrosia artemisiifolia* L.; var. *elatior* (L.) Descourtils  
*A. trifida* L.  
*Xanthium chinense* Mill.  
*X. strumarium* L. (1)  
*Polymnia uvedalia* L.  
*Silphium aspernum* Hook. (*S. scaberrimum*; *S. asteriscus* L.)  
*S. compositum* Michx.  
*S. integrifolium* Michx.; var. *laeve* T. & G.  
*Parthenium integrifolium* L.  
*Heliopsis helianthoides* (L.) Sweet  
*Rudbeckia fulgida* Ait.  
*R. hirta* L. (*R. monticola* Small)  
*R. laciniata* L.; var. *humilis* Gray  
*R. serotina* Nutt. (1) (*R. hirta* var.)  
*R. triloba* L.  
*R. umbrosa* C. L. Boynt. & Beadle  
*Helianthus angustifolius* L. (3)  
*H. atrorubens* L. (3)  
*H. decapetalus* L. (3)  
*H. divaricatus* L. (3)  
*H. laetiflorus* Pers. (3)  
*H. microcephalus* T. & G. (3)  
*H. strumosus* L. (3)

- Actinomeris alternifolia* (L.) DC.  
*Verbesina occidentalis* (L.) Walt.  
*Coreopsis auriculata* L.  
*C. major* Walt.; var. *stellata* (Nutt.) Robins.  
*C. pubescens* Ell.  
*C. tinctoria* Nutt. (1)  
*C. tripteris* L.  
*Bidens bipinnata* L.  
*B. frondosa* L.  
*Galinsoga ciliata* (Raf.) Blake (1)  
*G. parviflora* Cav. (1) (2)  
*Helenium autumnale* L.  
*H. nudiflorum* Nutt.  
*Achillea millefolium* L. (1)  
*Anthemis cotula* L. (1)  
*Chrysanthemum leucanthemum* L. var. *pinnatifidum* Lecoq  
 & Lamotte (1)  
*Artemisia ludoviciana* Nutt. var. *mexicana* (Willd.) Fern. (1)  
 (from southwest U. S.)  
*Erechtites hieracifolia* (L.) Raf. var. *intermedia* Fern.  
*Cacalia atriplicifolia* L.  
*C. muhlenbergii* (Sch. Bip.) Fern.  
*Senecio aureus* L.  
*S. obovatus* Muhl.  
*S. rugelia* A. Gray  
*S. smallii* Britt.  
*Arctium minus* (Hill) Bernh. (1)  
*Cirsium altissimum* (L.) Spreng.  
*C. arvense* (L.) Scop. (1)  
*C. muticum* Michx.  
*C. vulgare* (Savi) Tenore (1)  
*C. carolinianum* (Walt.) Fern. & Schub.  
*Centaurea cyanus* L. (1)  
*Lapsana communis* L. (1)  
*Cichorium intybus* L. (1)  
*Krigia biflora* (Walt.) Blake (*Cynthia virginica* (L.) Don)  
*K. montana* Michx. (*Cynthia montana* (Michx.) Standley)  
*K. virginica* (L.) Willd.  
*Serinia oppositifolia* (Raf.) Ktze.  
*Taraxacum erythrospermum* Andrz.  
*T. officinale* Weber (1)  
*Lactuca biennis* (Moench) Fern.

- L. canadensis L.  
 L. floridana Gaertn. var. villosa (Jacq.) Cronq. (*Mulgedium villosum* Small)  
 L. scariola L. (1)  
 Pyrrhopappus carolinianus (Walt.) DC.  
 Crepis tectorum L. (1)  
 Prenanthes altissima L.  
 P. alba L.  
 P. trifoliata (Cass.) Fern.  
 P. roanensis Chickering  
 Hieracium gronovii L. (3)  
 H. marianum Willd. (3) (*H. greenii* Porter & Britt.)  
 H. paniculatum L. (3)  
 H. pilosella L. (1) (3)  
 H. scabrum Michx. (3)  
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